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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Keith D. ALLEN

Serial No.: 09/897,772

Filed: June 29, 2001

Title: TRANSGENIC MICE CONTAINING BMP
GENE DISRUPTIONS

Examiner: Unknown

Group Art Unit: 1645

Our Docket No.: R-268

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PRELIMINARY AMENDMENT

Commissioner of Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-referenced application, entry of the following amendments is respectfully requested.

In the Specification

Please replace the paragraph on page 2, lines 6-14 with the following paragraph:

--Among TGF-beta members are the bone morphogenetic proteins (BMP). The BMPs have been indicated as useful in wound healing, tissue repair, and to induce cartilage and/or bone growth. BMPs have potent effects during embryogenesis. One member, BMP-4, has been shown to have potent ventralizing effects in *Xenopus* embryos, leading to the differentiation of blood and mesenchyme and inhibiting the formation of dorsal tissues such as notochord, muscle, and nervous system (see, e.g., Jones *et al.*, *Development* 115:639-647 (1991)). BMP-4 is expressed ventrally in the *Xenopus* embryo and its expression is increased by ventralizing treatments such as irradiation with ultraviolet light.--

Please replace the paragraph at page 51, lines 19-22 with the following paragraph:

--The transgenic mice comprising disruptions in BMP genes were analyzed for phenotypic changes. The phenotypes associated with a disruption in BMP genes were determined. The homozygous mice demonstrated at least one of the following phenotypes:--

1645

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): ALLEN

FEB 25 2002

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UNASSIGNED

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Invention: **TRANSGENIC MICE CONTAINING BMP GENE DISRUPTIONS**

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I hereby certify that this **PRELIMINARY AMENDMENT**

(Identify type of correspondence)

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